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Notulæ ad Plantas Asiæ Orientalis (VIII)

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中井猛之進：東亞植物拾遺（其八）

（第十五卷第一號第十四頁ヨリ續ク）

112) *Viola* (*Chamæmelanium*)⁽¹⁾ **flaviflora** NAKAI, sp. nov.

Syn. *Viola brevistipullata* var. *minor* NAKAI in Tokyo Bot. Mag. XLVII, 260 (1933); NEMOTO, Suppl. Fl. Jap. 490 (1936).

Cum *Viola brevistipullata* BECKER et *Viola Fischeri* BECKER affinis, sed a priori multo minor, et caules cæspitosi erubescences, folia crassâ astringentia sunt. Folia *Violæ brevistipullatæ* sunt dulcia herbacea et esculenta. Posteriori conformis sed caules cæspitosi glabri nunquam patente ciliati sunt.

Caudex 1-1.5 cm longus hypogæus sublignosus. Folia radicalia subnulla, si adsunt petioli 44-59 mm longi 1 mm lati sursum erecto-papilloso; lamina late ovata basi anguste sinuata margine crenato-serrata apice acuminata 34-38 mm longa 21-26 mm lata margine parcissime papilloso-ciliolata. Stipulæ radicales dilatatæ albæ basi caulem amplexantes 7-10 mm longæ integræ. Caules cæspitoso-2-5 herbacei erecti 73-140 mm alti 3-4 mm lati sæpe erubescences, parte hypophylla 72-127 mm longa. Folia caulina 3-4 viridia, præter supremum minimum sessile omnia petiolata; petioli sursum abbreviati 4-20 mm longi apice laterali papilloso; lamina foliorum inferiorum ovato-rotundata apice subito contracto-acuminata rarissime obtusa vel rotundata 32-40 mm longa 25-44 mm lata utrinque glabra, supremorum late ovata 20-27 mm

⁽¹⁾ *Viola* sect. *Chamæmelanium* GINGINS mss ex A. P. DE CANDOLLE, Prodr. I, 300. (1824).

longa 10–15 mm lata utrinque glabra. Stipulæ foliorum caulinarum 2–9 mm longæ 3–7 mm latæ utrinque virides. Flores axillares in quoque caule 1–3. Pedunculi graciles sed erecti 22–52 mm longi. Bracteæ 2 minimæ ovatæ hyalinæ vix 1 mm longæ ab apice pedunculi circ. 1 cm distantes. Sepala viridia albo-marginata lineari-lanceolata vel lanceolata integra 5–6 mm longa. Petala flava obovata, lateralia et infimum infra medium nigro-venosa 10–12 mm longa 5–7 mm lata, lateralia fauce albo-barbata. Calcar subnullum. Styli obovati apice dorso cucullati, ventre sub apice stigmatosi, stigmatate laterali-barbato. Ovarium viride glabrum.

Nom. Jap. *Daisen-Kisumire*.

Hab. in Hondo.

Prov. Etigo : in sabulosis oppidi Kanetuka tractus Kitakambara (MATUWAKA KISIDA, Mai 2, 1939—typus); in monte Komagadake (BUNZO HAYATA, Aug. 7, 1903); in monte Naebasan (SHUNKI OKUYAMA, Jul. 20, 1936, Herb. Sci. Mus. Tokyo).

Prov. Rikutyu : in monte Iwatesan (GENZI NAKAHARA, Jul. 30, 1903).

Prov. Ugo : in summa montis Yakusidake (ARATA KOBAYASI, Jun. 19, 1938).

Prov. Uzen : in monte Gwassan (RYOKITI YATABE, Mai 10, 1881).

Prov. Iwasiro : in monte Iidesan (GENZI NAKAHARA, Aug. 1907, Herb. Sci. Mus. Tokyo).

Prov. Kôdzuke : in monte Tanigawadake (YOSIO KISINAMI, Jun. 1932; SHUNKI OKUYAMA Jun. 24, 1934, Herb. Sci. Mus. Tokyo); Nisi Kurosawa (ROKUYA NOGUTI, Jun. 24, 1934, Herb. Sci. Mus. Tokyo).

Prov. Etizen : Norikura (KUROKAWA, Jul. 9, 1929); in oppido Awano tractus Turuga (YOZAE MON HOSOI, Jun. 17, 1934).

Prov. Ômi : in monte Mikuniyama 600 m. (HIDESABURÔ WATANABE, Jul. 11, 1927).

Prov. Mimasaka : in monte Hirusen (TÔKITI TOMOGANE, Maio 1933).

Prov. Hôki : in monte Daisen (ARIKA KIMURA, Jun. 4, 1925—typus *Viola brevistipullata* var. *minoris*; TAKETARÔ SAWADA, Jun. 15, 1922; YOKOO, Jun. 1913).

Prov. Bingo : in monte Sansiyama tractus Hiba (TAKASI TUYAMA, Aug. 2, 1932).

***Viola flaviflora* var. *acuminata* NAKAI, comb. nov.**

Syn. *Viola brevistipullata* var. *acuminata* NAKAI in Tokyo Bot. Mag. XLII, 557 (1928).

Folia apice cuspidato-acuminata.

Nom. Jap. *Miyama-Kisumire*.

Hab. in Hondo.

Prov. Rikutyu : in monte Iwatesan (GENZI NAKAHARA, Jul. 30, 1903).

Prov. Uzen : in monte Gwassan (RYOKITI YATABE, Mai 10, 1881), in monte Adzumasán (KATUO MATSUSIMA, Mai 20, 1902, Herb. Sci. Mus. Tokyo); in monte Iidesan (TAKETARÔ SAWADA, Mai 31, 1923); ibidem (GENZI NAKAHARA, Aug. 1907, Herb. Sci. Mus. Tokyo).

Prov. Kôdzuke : in monte Tanigawadake (KAZUO IZAWA, Jul. 29, 1934; KIYOTAKA HISAUTI Jul. 23, 1934).

Prov. Iwaki : in monte Kasizan (ZENTARO TASIRO, Aug. 4, 1931, Herb. Sci. Mus. Tokyo).

Prov. Sinano : in monte Yarigadake (T. NAKAI, Jul. 15, 1927,—typus); Kamikôti (ARIKA KIMURA, Jun. 3, 1928).

Prov. Etizen : in monte Hekoyama tractus Iwate (YOZAEMON HOSOI, Jun. 14, 1933); ibidem (ZENTARO TASIRO, Jun. 20, 1937, Herb. Sci. Mus. Tokyo).

113) ***Viola* (*Campylostylæ*)⁽²⁾ *Grayi* FRANCHET & SAVATIER, Enum. Pl. Jap. II, 288 (1876), excl. syn. et specimina in Simoda a WILLIAMS et MORROW lecta.**

There are two types in Museum d'histoire naturelle de Paris. One in L'Herbier Drake del Castillo is pubescent adpressely on the stem and the leaves, and which was collected by Vidal near Niigata and sent to FRANCHET by SAVATIER. The other in the main herbarium is glabrous all over, and was collected also by VIDAL. BECKER and I took the former for the typical form. *Viola Grayi* is a littoral plant growing on the sand dune near seashore. The cordex becomes thick, stout and long, but is not branched, so that it can be easily drawn out from the sand. The leaves are thick and slightly shining. Flowers are large, the petals are broad and darker coloured. In the shape of

⁽²⁾ *Viola* sect. *Campylostylæ* BECKER in Beihefte Bot. Centralb XL, 39 (1923).

the leaves it approaches to *Viola grypoceras*, while the flowers resemble more to those of *Viola obtusa*, however inodorous. Flowers are seen in the month of April.

***Viola Grayi* var. *pubescens* NAKAI, nom. nov.**

Syn. *Viola Grayi* FRANCHET & SAVATIER, Enum. Pl. Jap. II, 288 (1876), pro parte; BOISSIEU in Bull. Soc. Bot. France LVIII, 215 (1911), pro parte; BECKER in Beihefte Bot. Centralb. XXXIV, 241 (1916).

Viola grypoceras var. *Grayi* NAKAI in Bull. Soc. Bot. France LXXII, 182 (1925).

Caulis et folia adpresse pubescentia. Flores maximi inodori. Petala intense violacea.

Nom. Jap. *Ke-Isosumire*.

Hab. in Hondo.

Prov. Etigo : circa Niigata (VIDAL no. 2687, typus alius *Violæ Grayi* in Herb.

Drake del Castillo Mus. Paris); in arenis Senami tractus Iwase (MATUWAKA KISIDA, Mai 3, 1939).

Prov. Mutu : Aomori (FAURIE no. 143, 3962, 6224, 5032 in Herb. Paris); Hiro-saki (FAURIE no. 486, Herb. Paris).

***Viola Grayi* var. *glabra* BECKER in Beihefte Bot. Centralb. XXXIV, 241 (1916).**

Syn. *Viola Grayi* FRANCHET & SAVATIER, l.c. pro parte; BOISSIEU, l.c. pro parte; BECKER, l.c. pro parte.

Viola sylvestris KITAIBEL var. *grypoceras* A. GRAY apud MATSUMURA, Shokubutsu Mei-I, 315 no. 3331 (1895), pro parte.

Viola sylvestris KITAIBEL var. *japonica* MAKINO in Tokyo Bot. Mag. XVI, 146 (1902); MATSUMURA, Ind. Pl. Jap. II pt. 2, 379 (1912), pro parte.

Planta tota glaberrima. Flores maximi inodori. Petala rotundato-obovata intense violacea.

Nom. Jap. *Iso-Sumire*.

Hab. in Hondo et Yeso.

Prov. Etigo: circa Niigata (VIDAL no. 2687 bis, communicata a SAVATIER, typus alius *Violæ Grayi* in herbario principale Mus. Paris).

Prov. Mutu : in littore Aomori (U. FAURIE no. 143 in Herb. Berlin-Dahlem, teste a W. BECKER et vidi ipse in 1924); Sambongi (FAURIE no. 291 in Herb. Berlin-Dahlem); in littore Yukawa (HANZABURÔ SAKURAI Aug. 1885)
Prov. Ettyu : in littore Iwase (JINZO MATSUMURA, Jul. 21, 1884, Herb. Univ. Imp. Tokyo).

Prov. Osima : Noboribetu (FAURIE no 10086, Herb. Berlin-Dahlem).

There are three specimens of *Viola* determined by BECKER as *Viola Grayi* in the Stockholm herbarium, however, all of them belong to *Viola grypoceras* v. *pubescens* NAKAI.

114) *Viola* (*Campylostylæ*) *senamiensis* NAKAI, sp. nov.

Arcte affinis *Viola Grayi*, sed pro caudice caules subterranei lignosi ramosissimi in sabulis alte immersi ex radice lignosa evoluti, ramis submersis haud incrassatis; flores pro uno vel semimense tardius patentes.

Radix perennis in arenis circ. 20–40 cm alte immersa ex qua caules subterranei ramosissimi obconico evoluti, ramis 2–4 mm latis radices fibrosas annuas hic illuc surgentibus. Caulis epigæus in anthesi brevis sed post anthesin 20–30 cm altus. Petioli foliorum radicalium 2.5–6.0 cm longi glaberrimi virides 2 mm lati ventre sulcati. Stipulæ basi petiolo adnatæ oblongo-lanceolatæ 7–10 mm longæ virides fimbriato-laciniatæ. Lamina foliorum depressi-cordata ventre convoluta glabra viridis crassa lucidusecula 10–18 mm longa 15–25 mm lata apice acutiuscula crenulato-serrulata. Pedunculi in axillis foliorum radicalium solitarii 6–12 mm longi glaberrimi cca 1 mm lati apicē in flores incurvi. Bracteæ lineari-lanceolatæ 5–9 mm longæ binæ a flore circa 10–25 mm distantes. Sepala viridia, infima 2 lanceolata 6–7 mm longa 2.0–2.3 mm lata, postico cum appendicibus quadratis basi crenulato-dentatis; mediana 2 lineari-lanceolata 6–7 mm longa 1.5–1.8 mm lata, cum appendicibus rotundatis; supremum 1 late lanceolatum 6 mm longum, cum appendice dilatata basi emarginata. Flores inodori in primo mensis Maii patentes 20–30 (vulgo 25–30) mm lati. Calcar 5–6 mm longum 3 mm latum *lacteum*. Petala intense violacea fauce alba ubi violaceo-venosa; suprema 2 rotundata 12–15 mm longa 10–13 mm lata; lateralia 2 rotundato-obovata 13–14 mm longa 8–10 mm lata; infimum 1 late obovata apice obtusa vel emarginata 14–15 mm longa. Antheræ

aurantiacæ. Stylus tubulosus apice in stigma papillosum leviter incurvus. Ovarium glabrum viride ovoideum. Capsula 12 mm longa 5 mm lata apice mucronata.

Nom. Jap. *Senami-Sumire*, vel *Hama-Sumire*.

Hab. in Hondo.

Prov. Etigo: in arenosis littoralibus Senami tractus Iwafune (MATUWAKA KISIDA, Mai 3, 1939—typus in Herb. Universitatis Imperialis Tokyoensis). in oppido Kami Kaifu (MITUO NAGASAWA, Mai 9, 1938, in Herb. Sci. Mus. Tokyo.)

This remarkable violet grows abundantly on the sand dune near the shore of Japan Sea, where it gives a wonderful aspect in its flower season. At that time, the flowers of *Viola Grayi* which grows intermixed with this violet end almost; but the profuse flowers of this gives the entire dune the violet shade. One individual covers an area about one meter in diameter, and the digging out of its deep rootstock is not easy task. This has long been neglected from botanists as they did not come to cross over in its flower season. KISIDA's perfect collection and field notes uncovered the details of this violet, and proved this to be the most beautiful violet in the entire Japan.

115) ***Viola* (*Campylostylæ*) *lucida* NAKAI, sp. nov.**

Arcte affinis *Viola grypoceras* præcipue florum forma persimillima sed folia crassa supra lucidissima, et stipulæ latius dissectæ.

Caudex perennis sublignosa usque 30 mm longa. Planta glaberrima. Folia omnia crassa et lucidissima; radicalia cordata vel late cordata 15-22 mm longa 13-22 mm lata margine crenato-serrata, petiolis 15-70 mm longis; caulina radicalibus conformia sæpe majora usque 32 mm longa 42 mm lata. Stipulæ virides ambitu oblongæ vel ellipticæ 8-18 mm longæ subulato vel lanceolato-laciniatæ, lacinis sæpe fimbriato-acuminatis. Pedunculi elongati in axillis foliorum caulinarum inferiorum solitarii 53-80 mm longi graciles sursum subulato-bibracteati. Sepala viridia lanceolata 5 mm longa. Petala omnia glabra obovata pallide cæruleo-violacea 10-12 mm longa 5-6 mm lata fauce pallida. Calcar purpureo-violaceum. Styli et ovaria glabra.

Nom. Jap. *Tuya-Sumire*.

Hab. in Japonia; Hondo et Kyusyu.

Prov. Suwo: secus vias et in plantatione *Phyllostachydis* oppidi Aiwo tractus Yosiki (T. NAKAI, Maio 1916—typus in Herbario Universitatis Imperialis Tokyoensis).

Prov. Satuma: Nakakosiki in insula Kami Kosiki (SAIZI IDE, Apr. 1, 1933, Herb. Sci. Mus. Tokyo).

Prov. Tikuzen: in herbidis circa templum Kasiinomiya (T. NAKAI, Apr. 3, 1939).

Prov. Etigo: Idzumozaki (T. MIYAKAWA, Jun. 1, 1904).

116) **Viola** (*Campylostylæ*) **Hosoi** NAKAI, sp. nov.

Arete affinis *Violæ Wichuræ* sed exqua caule nunquam ramoso, calcare elongato bene dignoscenda.

Caudex lignosus crassus 30–40 mm longus simplex vel subrhizomatim oligoramosus 2–3 ceps. Caulis glaber potius robustus, fructifer floriferis æquialtus 10–14 cm altus. Folia radicalia 25–40 mm longa 18–30 mm lata ovata vel late ovata crassa luciduscula apice acuta vel mucronata, basi anguste sinuata vel imbricata, margine argute vel distincte crenato-serrata, supra viridia cum venis setuloso-pilosis, subtus viridula glabra, petioli 25–75 mm longi robusti erecti glabri; stipulæ oblongæ fimbriato-laciniatæ primo viridulæ mox perditæ et fuscæscientes 10–15 mm longæ. Folia caulina radicalibus conformia sed petioli 21–3 mm longi. Pedunculi erecti axillari-solitarii 35–80 mm longi sursum subulato-vel lineari-bibracteati. Sepala viridia lanceolata 6–7 mm longa. Petala cæruleo-violascentia, obovato-oblonga 14–15 mm longa 4–5 mm lata. Calcar 10–12 mm longum 2.5–3 mm latum apice sursum curvatum. Ovaria glabra. Styli cylindrico-incurvi glabri. Capsula glabra 10 mm longa.

Nom. Jap. *Hosoi-Sumire*.

Hab. in Hondo.

Prov. Etizen: Tomosada oppidi Okamoto tractus Imadate (YOZAE MON HOSOI, Jul. 27, 1933—typus fructifer; Apr. 29, 1937—typus florifer).

117) × **Viola taradakensis** NAKAI, nova hybrida.

Hybrida inter sectionem *Pinnata*⁽¹⁾ (*Viola chærophylloides*) et sectionem

⁽¹⁾ *Viola* subgn. *Nemimium* GINGINS mss ex A.P. DE CANDOLLE, Prodr. I, 291 (1824) Sect. *Pinnate* BECKER in Beihefte Bot. Centralb. XL, 119 (1923).

Patellares⁽¹⁾ (*Viola violacea*).

Cortex perennis alba radices albas ramosas paucas emittit. Folia omnia radicalia. Petioli 20–34 mm longi albi glabri exalati virides purpurascentsuffusi. Stipulae albæ adnatæ apice liberæ lanceolatae integræ ubi virides. Lamina foliorum glabra oblongo-ovata 26–34 mm longa 16–17 mm lata basi cordata margine laciniata apice sensim angustato-obtusiuscula, supra viridis, infra purpurea. Scapi in nostro specimine bini 47–68 mm longi glabri purpurascents apice cernui, infra medium lineari-bibracteati. Sepala viridia lanceolata 6–7 mm longa 2 mm lata. Petala violacea glaberrima. Calcar 7–8 mm longum 2.7–3.0 mm latum parce violascens. Ovarium glabrum. Styli ascendentes apice obtuse obtriangulari-inflati in stigma punctatum parce rostellati.

Nom. Jap. *Fugire-Sihai-Sumire*.

Hab. in Kyusyu.

Prov. Hizen : in monte Taradake (SABURÔ TOYAMA, Apr. 23, 1939—typus in Herbario Universitatis Imperialis Tokyoensis).

119) ***Viola Conilii*** FRANCHET & SAVATIER, Enum. Pl. Jap. II, 285 (1876)⁽²⁾
Syn. *Viola hirta* ? var. *glabella* REGEL in Mém. Acad. St. Pétersb. 7 sér. IV no. 4, 24 no. 77 (1861).

Viola prionantha BUNGE var. *latifolia* MIQUEL in Ann. Mus. Bot. Lugd.

Bat. II, 153 (1865), pro parte (partim est *V. metajaponica* NAKAI!).

Viola prionantha (non BUNGE) FRANCHET & SAVATIER, Enum. Pl. Jap.

I, 41 (1875), pro minoribus partibus.

Viola phalacrocarpa MAXIMOWICZ in Bull. Acad. St. Pétersb. XXIII,

318 (1877), pro parte;⁽³⁾ in Mém. Biol. IX, 726 (1877), pro parte;

⁽¹⁾ *Viola* sect. **Patellares** (BOISSIER) NAKAI, comb. nov.

Syn. *Viola* sect. I. *Nomimum* § 3. *Patellares* BOISSIER, Fl. Orient. I, 454 (1867).
Viola sekt. G. *Adnatæ* BECKER in ENGLER, Nat. Pflanzenfam, 2 Aufl. XXI, 368 (1925).

Typus: *Viola kamtschatica* vel melius *Viola Selkirkii* PURSH.

⁽²⁾ The paper of MAXIMOWICZ regarding *Viola* was read on 14th of November in 1876 and published in the next year, while the part of Enumeratio Plantarum Japonicarum including *Viola Conilii* appeared already in 1876.

⁽³⁾ MAXIMOWICZ's *Viola phalacrocarpa* which had been collected at Yokohama by himself is *Viola phalacrocarpoides* MAKINO in Tokyo Bot. Mag. XXIII, 136 (1909), and the same collected toward the Upper Ussuri in 1860 by himself is *Viola Ishidoyana* NAKAI in Tokyo Bot. Mag. XXVII, 129 (1914). KOMAROV and BECKER had also mixed these.

PALIBIN in Acta Horti Petrop. XVIII, 34(1899), pro parte;⁽¹⁾ KOMAROV in Acta Horti Petropolitani XXV, pt. 1, 56(1905), pro parte; BECKER in ENGLER, Bot. Jahrb. LIV, 186 (1918), excl. var., pro parte.

Viola pseudoprionantha BECKER in Beihefte Bot. Centralb. XXIV, 423 (1917).

Nom. Jap. *Akane-Sumire*.

Hab in Korea, Yeso, Hondo, Sikoku et Kyusyu.

The following specimens in the Europæan Herbaria were examined by myself during my sojourn in Europe.

Yeso : Sapporo (FAURIE no. 358, Herb. Mus. Paris, Herb. Kew; no. 145, Herb. Mus. Paris; Y. TOKUBUTI, Herb. Kew; K. MIYABE partim, Herb. Kew; H. TERADA, Herb. Kew); Hakodate (MAXIMOWICZ, Herb. Kew), Tomakomai (FAURIE no. 10083, Herb. Boissier); Monbetu (FAURIE no. 236, Herb. Wien).

Hondo : circa Yokoska (SAVATIER no. 97 partim, Herb. Paris, Herb. Drake del Castillo; SAVATIER sine numero-typus *Violæ Conilii*, Herb. Paris); Sambongi (FAURIE no. 290, Herb. Paris, Herb. de Candolle); Kuroishi (FAURIE no. 69, Herb. Kew, Herb. Paris); Aomori (FAURIE no. 2476, Herb. Berlin-Dahlem; Herb. Wien); Totsuka (BISSET, Herb. Kew); Miyugase (BISSET, Herb. Kew); Musasi-Renkoji (ONUMA, Herb. Berlin-Dahlem). Yokohama (MAXIMOWICZ, Herb. Kew; BISSET, Herb. Kew; SAKATA partim, Herb. Stockholm.); Tokyo (H. SAKURAI, Herb. Edinburgh; Yokohama Nursery Co. Herb. Edinburgh); Musasi-Fukuromura (legitor? Herb. Wien)

Kyusyu : Nagasaki (R. OLDHAM partim, Herb. Kew; MAXIMOWICZ partim, Herb. Wien; Herb. Leiden ut *V. Patrini*).

Quelpært : in silvis Hongno (TAQUET no. 4793, Herb. Paris; Herb. Delessert); secus vias Hongno (TAQUET no. 4590, Herb. Delessert); in herbis Hokeuni (TAQUET no. 2642, Herb. Edinburgh, ut *Viola variegata*); in herbidis 700m (TAQUET no. 2641, Herb. Delessert); in herbidis Peptptangi (TAQUET no. 2461, Herb. Edinburgh ut *Viola variegata*); in agris (TAQUET no. 2635,

(1) The other part of PALIBIN's *Viola phalacrocarpa* is *Viola seoulensis* NAKAI in Tokyo Bot. Mag. XXXII, 218 (1918), to which *Viola japonica* v. *koreana* BECKER in Beihefte Bot. Centralb. XL, 157 (1923) comes as a synonym.

Herb. Delessert; Herb. Edinburgh); in campis Hallaisan (FAURIE no. 1749; Herb. Delessert; Herb. Berlin-Dahlem; Herb. Edinburgh, in herbidis (TAQUET no. 2638, Herb. Edinburgh.)
 Corea. Seoul, prope Taptong (SONTAG, Herb. Kew); Ansyu (MILLS no. 278, Herb. Kew); Korea sept. Ostium flum. Tumingan (V. KOMAROV no. 1104, Herb. Berlin-Dahlem; Herb. Wien).

120) **Viola pycnophylla** FRANCHET & SAVATIER, Enum. Pl. Jap. II, 285 (1876); BOISSIEU in Bull. Soc. Bot France 3 sér. VII, 322 (1900); BECKER in Beihefte Bot. Centralb. XL, 150 (1923).

Syn. *Viola yesoensis* MAXIMOWICZ in Bull. Acad. St. Pétersb. XXIII, 325 (1877), in Mém. Biol. IX, 736 (1877); BOISSIEU in Bull. Herb. Boissier XLVII, 322 (1900); YATABE, Nippon Syokubutuhon I, 179 (1900); MAKINO in Tokyo Bot. Mag. XIX, 72 (1905); MATSUMURA, Ind. Pl. Jap. II pt. 2, 381 (1912); BECKER, l.c. 153.

Viola phalacrocarpa var. *pallida* YATABE in Tokyo Bot. Mag. VI, 102 (1892), pro parte, Nippon Syokubutuhon I, 175 (1900).

Viola flaccida MAKINO in Tokyo Bot. Mag. XIII, 242 (1899), nom. nud.; MATSUMURA, l.c. 373, nom.

Viola Yatabei MAKINO in Tokyo Bot. Mag. XVI, 122 (1902).

Nom. Jap. *Hikage-Sumire*.

Hab. in Japonia : Yeso et Hondo.

Prov. Iburi : Tomakomai (FAURIE no. 10083, Herb. Drake del Castillo).

Prov. Osima : Hakodate (MAXIMOWICZ—typus *Viola yesoensis* in Herb. Berlin-Dahlem et Herb. Drake del Castillo; FAURIE no. 170 & 209, Herb. Paris; FAURIE no. 158 & 13001 in Herb. Wien, Herb. Kew, Herb. Drake del Castillo; GRÆTRETZ in Herb. Univ. Hokkaido; M. NAKAMURA in Herb. Hokkaido Univ.; TATUO SATO in Herb. Tokyo Univ.): Fukuyama (FAURIE no. 3824 in Herb. Paris et Herb. de Candolle; FAURIE no. 3836 in Herb. Paris).

Prov. Rikutyu : in monte Turiganeyama, Itinoseki (Y. TIBA in Herb. Tokyo Univ.); Kami-Yonai (G. TOBA in Herb. Tokyo Univ.).

Prov. Rikuzen : Yamanotera circa Sendai (ARIKA KIMURA in Herb. Tokyo

Univ.).

Prov. Iwasiro : in colle Bentenyama urbis Fukusima (G. NAKAHARA in Herb. Tokyo Univ.).

Prov. Kôdzuke : in urbe Harunamati (M. HONDA in Herb. Tokyo Univ.).

Prov. Musasi : Ôzi (KOMAZIRÔ SAWADA in Herb. Tokyo Univ.; J. MATSUMURA in Herb. Tokyo Univ.); in monte Mitake (Y. YABE in Herb. Tokyo Univ.; comm. Yokohama Nursery Co. in Herb. Edinburgh); Adzukizawa (T. MAKINO in Herb. Tokyo Univ.); in monte Takaosan (Y. YABE in Herb. Tokyo Univ.; H. SAKURAI in Herb. Edinburgh; N. FUJITA in Herb. Kisi-da); Simura (K. ÔNUMA in Herb. Stockholm; T. NAKAI in Herb. Tokyo Univ.; S. HATTORI in Herb. Tokyo Univ.); Titibu (J. MATSUMURA in Herb. Tokyo Univ.); in silvis Todanohara (J. MATSUMURA in Herb. Hokkaido Univ.; Y. YAMAMOTO in Herb. Tokyo Univ.); in monte Kariyose (K. HISAUTI & T. NAKAI in Herb. Tokyo Univ.); in monte Mitumine (commun. Yokohama Nursery Co. in Herb. Edinburgh).

Prov. Sagami : circa Yokoska (SAVATIER no. 2182—typus *Viola pycnophylla* in Herb. Principali & Herb. Drake del Castillo Mus Paris).

Prov. Suruga : oppido Yamakita (Y. KUROSAWA in Herb. Tokyo Univ.).

Prov. Yamasiro : Kawarabayasi (R. TAKENOUTI in Herb. Tokyo Univ.).

121) ***Viola metajaponica*** NAKAI in Bull. Soc. Bot. France LXXII, 192 (1925).

Syn. *Viola Patrini* DC var. *Gmeliniana* MIQUEL in Ann. Mus. Bot. Lugd. Bat. II, 152 (1865), pro parte, excl. syn., **syn. nov.**

Viola prionantha (non BUNGE) MIQUEL, l. c. pro parte; FRANCHET & SAVATIER, Enum. Pl. Jap. I, 41 (1875), pro parte.

Viola Selkirkii (non PURSH) FRANCHET & SAVATIER, l. c.; excl. syn. et icon., pro parte.

Viola japonica (non LANGSDORF) MAXIMOWICZ in Mém. Biol. IX, 724 (1876), pro parte, excl. syn.; MATSUMURA, Ind. Pl. Jap. II pt. 2, 375 (1912), pro parte, excl. syn.; NAKAI in Journ. Coll. Sci. Tokyo XXVI art. 1, 73 (1909), XXXI, 447 (1911), in Tokyo Bot. Mag. XXX, 286 (1916), Veget. Isl. Quelpaert 65 (1914); BECKER in Beihefte Bot.

Centralb. XL, 155 (1923), excl. var.

Viola philippica subsp. *malesica* BECKER in ENGLER, Bot. Jahrb. LIV, Beiblatt 120, 178 (1917), pro parte, excl. syn.

Nom. Jap. *Kosumire*.

This species has been much confused by the Europaen botanists. The following specimens in the Europaen herbaria were examined by me, and which I believe to deserve publishing.

Japonia, sine loco speciali (SIEBOLD, specimina 2 inter 8 in Herb. Lugd. Bat. ut *V. Patrini* var. *Gmeliniana* a MIQUEL, 6 sunt *Viola mandshurica*; SIEBOLD, specimina 3 in Herb. Lugd. Bat. ut *Viola prionantha* a MIQUEL, *V. japonica* et *V. philippica* a BECKER; SIEBOLD, specimen 1 inter 2 in Herb. Lugd. Bat. ut *V. Patrini*? a MIQUEL, aliud est *Viola mandshurica*; SIEBOLD, specimen 1 in Herb. Lugd. Bat. ut *Viola prionantha* var. *latifolia* a MIQUEL, *V. Oudemansii* a BECKER. Hac Tamen est forma aestivalis *Violae metajaponicae*; SIEBOLD, specimina 2 inter 5 in Herb. Lugd. Bat. ut *Viola prionantha* var.? a MIQUEL, *Viola japonica* a BECKER, alia 3 sunt *Viola violacea*; BUEGER sub nomine *Viola Patrini* var. *Gmeliniana* in Herb. Berlin-Dahlem; REIN, partim in Herb. de Candolle et in Herb. Berlin-Dahlem, partim est *Viola mandshurica* et *Viola chinensis*; PETERSSON in Herb. Stockholm sub nomine *Viola japonica*; SIEBOLD? in Herb. Stockholm ex Herb. Lugd. Bat. sub nomine *Viola prionantha* et determ. a BECKER ut *Viola japonica*; SIEBOLD, specimen 1 inter 7 in Herb. Lugd. Bat. ut *Viola Patrini* var. *Gmeliniana* a MIQUEL, *Viola philippica* a BECKER, 6 alia sunt *Viola mandshurica*; SIEBOLD, specimina 8 inter 15 in Herb. Lugd. Bat. ut *Viola Patrini* v. *Gmeliniana* a MIQUEL, *Viola philippica*, *V. japonica* et hybrida ex BECKER, alia 2 sunt *Viola minor* et alia 5 *Viola mandshurica*; SIEBOLD, specimina 2 inter 5 in Herb. Lugd. Bat. ut *Viola Patrini* var. *Gmeliniana* a MIQUEL, alia 2 sunt *Viola mandshurica* et alia est *Viola minor*).

Kyusyu: Nagasaki (MAXIMOWICZ anno 1863, specimen 1 inter 4 in Herb. Wien sub nomine *Viola japonica*, 2 sunt *Viola minor* et 1 est *Viola Conilii*; in Herb. Paris, partim est *Viola minor*; in Herb. Kew, partim est *Viola minor*; in Herb. Berlin-Dahlem sub nomine *Viola japonica* sed partim est *Viola phalacrocarpoides*; R. OLDHAM anno 1862 in Herb. Wien ex

Herb. Kew sub nomine *Viola Patrini* et determinata a BECKER ut *Viola japonica*; OLDHAM, specimina 1 inter 6 in Herb. Wien sub nomine *Viola canina*, 3 sunt *Viola grypoceras*, 1 est *Viola grypoceras* var. *exilis*, 1 est *Viola phalacrocarpoides*; OLDHAM in Herb. Wien sub nomine *Viola Patrini*; OLDHAM in Herb. Paris, partim est *Viola Conilii*, in Herb. Kew partim est *Viola Conilii*, in Herb. de Candolle; MAXIMOWICZ, specimina 1 inter 3 in Herb. Lugd. Bat., 2 sunt *Viola minor*; Sobosan in Herb. Edinburgh ex Yokohama Nursery Co. sub nomine *Viola Sieboldii*.

Sikoku: Tokusima (B. KRUG no. 1019 in Herb. Berlin-Dahlem ut *Viola japonica*).

Hondo: circa Yokoska (SAVATIER no. 97 pro majoribus partibus in Herb. Paris); Tokyo (H. TERADA, in Herb. Kew ut *Viola japonica*; H. SAKURAI, in Herb. Edinburgh ex Yokohama Nursery Co. ut *Viola japonica*; FAURIE no. 3959 in Herb. Berlin-Dahlem, sine nomine); Tokyo-Koisikawa (M. SIRAI in Herb. Berlin-Dahlem ut *Viola japonica*); Tokyo-Komaba (K. ÔNUMA in Herb. Stockholm ut *Viola japonica*); Ômiya (legitor? in Herb. Edinburgh ex Yokohama Nursery Co, sine nomine); Musasi-Ôhinatan-san (legitor? in Herb. Edinburgh ex Yokohama Nursery Co. sub nomine *Viola Miyabei*); Yokohama (DICKINS in Herb. Kew ut *Viola japonica*; in Herb. Drake del Castillo Mus. Paris, partim; SAVATIER no. 98 in Herb. Mus. Paris ut *Viola japonica*; WICHURA no. 1070, Oct. 1860 in Herb. Berlin-Dahlem sub nomine *Viola japonica*, partim est *Viola mandshurica*; SAKATA in Herb. Stockholm sub nomine *Viola phalacrocarpa*, partim); Kanosan (HILGENDORF in Herb. Berlin-Dahlem sub nomine *Viola Keiskei*, sed partim est *Viola grypoceras* et *Viola Keiskei* var. *Okuboï*).

Quelpært: sine loco speciali (FAURIE no. 613 in Herb. Berlin-Dahlem, forma aestivalis sine nomine); in herbidis 600 m (TAQUET no. 4598 in Herb. Paris); in petrosis silvarum (FAURIE no. 1752 in Herb. Delessert); Hongno (TAQUET no. 4575 in Herb. Paris); Moka (TAQUET no. 4589 in Herb. Paris et Herb. Delessert); Hongno (TAQUET no. 4591 in Herb. Paris); in agris Hongno (TAQUET no. 4791 in Herb. Delessert, no. 4597 in ibidem); in herbidis littoris (TAQUET no. 4592 in Herb. Paris); in herbidis Hioton (TAQUET no. 2627 in Herb. Edinburgh sub nomine *Viola Rossi*).

Corea : Port Hamilton (OLDHAM in Herb. Kew, partim est *Viola chinensis* ; in Herb. Berlin-Dahlem, specimen unicum); in herbidis Seoul (FAURIE no. 613 in Herb. Edinburgh sub nomine *Viola Patrini*).

China : sine loco speciali (FORTUNE no. 24 in Herb. Delessert, determ. ex BECKER ut *Viola chinensis*).

122) **Arisæma simense** NAKAI, Icon. Pl. Asiæ Orient. III fasc. 1, 199 (1939).

var. **Toyamai** NAKAI, var. nov.

Foliolum medianum longipetiolulatum. Spatha viridis longicaudata.

Nom. Jap. *Taradake-Mamuisisô*.

Hab. in Kyusyu.

Prov. Hizen : in monte Taradake (SABURÔ TOYAMA, Mai 7, 1937—typus in Herb. Univ. Imperialis Tokyoensis).

Arisæma simense var. **Mayebarai** NAKAI, var. nov.

Foliola latiora lanceolata vel elliptica vel oblonga integra. Spatha intense purpurea albo-venosa apice longicaudata.

Nom. Jap. *Itifusa-Mamuisisô*.

Hab. in Kyusyu.

Prov. Higo : in monte Itifusayama (KANZIRÔ MAYEBARA no. 3695 bis, Mai 27, 1934—typus in Herbario Universtatis Imperialis Tokyoensis).

Prov. Hizen : in monte Taradake (SABURÔ TOYAMA, Mai. 7, 1937).

123) **Arisæma izuense** NAKAI, sp. nov.

Bulbus 30–40 mm latus depresso-globosus rugosus apice radices radiatim emittit. Folia spathacea tunicata 5–6 imbricata, interiora majora, intimum pseudocaulum superat. Pseudocaulis circ. 200 mm altus viridis maculatus. Folium solitarium. Petiolus 150 mm longus basi 7 mm apice 5 mm latus viridis parce purpurascens ; lamina pedatim 17-foliolata, foliolis spirali-collocatis. Foliolum medianum, petiolo 8 mm longo, ellipticum 110 mm longum 51 mm latum. Foliola lateralia ad extremum lanceolata 45 mm longum 10 mm latum sensim diminuta. Pars exerta pedunculi 63 mm longa apice incrassata 10 mm lata. Spathæ tubus 70 mm longus basi 15 mm apice 30 mm latus purpurascens

fauces leviter recurvus, limbus late ovatus inflexus apice acuminatus 124 mm longus 50 mm latus purpureus. Appendix spadiceis robusta 52 mm longa apice clavata 17 mm lata atropurpurea cum stipite tantum 3 mm longo. Spadix mascula 27 mm longa.

Nom. Jap. *Idzu-Tennansyô*.

Hab. in Hondo.

Prov. Idzu : circa locum Ippekiko (MATSUWAKA KISIDA, Mai 5, 1935—typus in Herbario Universitatis Imperialis Tokyoensis).

124) ***Arisæma proliferum* NAKAI, sp. nov.**

Arcte affine *A. solenochlamys*, sed bulbus creberrime bulbulifer, ita planta semper aggregata. Folia ut *A. japonicum* luciduscula sed bulbus plus bulbulifer et limbus spathæ brevis et late rotundato-ovatus est.

Bulbus 5-7 cm latus hemisphæricus 2-2.5 cm altus gemmas permultas surgit. Gemmæ mox ex bulbo ut bulbulis solvent et innovationes formant, insuper bulbuli sæpe gemmas secundarias portant. Pseudocaulis 550-640 mm altus basi 25-30 mm apice 12-15 mm latus, nunc viridis et pallide purpurascens, nunc cupreo-purpureus et longitudine albo-striato-maculatus, basi foliis spathaceis 4 amplexus. Folia bina, inferius majus 9-13 foliolata. Foliola mediana oblonga vel oblongo-elliptica stipitata, lateralia oblanceolata vel oblanceolato-oblonga sessilia apice cuspidata, omnia supra luciduscula viridissima venis impressis, infra viridula venis valde elevatis. Scapus foliis subæquilongus vel eis humilior subpruinosis viridis vel purpurascens. Spatha viridissima, tubo 60-85 mm longo basi albo 18-21 mm lato apice margine leviter reflexo albo-venoso, limbo rotundato-ovato apice cuspidato 50-55 mm longo 45 mm lato longitudine albo-lateque hyalino-striato. Spadix fæminea ovata 14-20 mm longa viridis lucida. Appendix spadiceis cum stipite 8-10 mm longo 52-65 mm longa clavata viridis apice viridula 5 mm lata basi 8-9 mm lata.

Nom. Jap. *Komoti-Tennansyô*.

Hab. in Hondo.

Prov. Sinano : Kutukake (MATSUWAKA KISIDA, Mai 28, 1939—typus in Herb. Univ. Imp. Tokyoensis).

125) ***Andromeda Polifolia* LINNÆUS var. *minima* G. DON, Gen. Hist.**

Diehl, Pl. III, 829 (1834); NAKAI, Trees & Shrubs Jap. I ed. 2, 215 (1927).

Syn. *Andromeda Polifolia* LINNÆUS, Sp. Pl. ed. 1, 393 (1753), pro parte.

Nom. Jap. *Karafuto-Himesyākunage*.

Hab. in Korea.

Prov. Kannan: in herbidis humidis Kantiin tractus Tyôsin (HIRONO KINOSHITA, Aug. 1936).

The genus and species is new to the flora of Tyôsen (or Corea).

126) **Corydalis orthoceras** SIEBOLD & ZUCCARINI in Abh. Muench. Akad. IV, Abth. 2, 175 no. 287 (1845).

Syn. *Corydalis senanensis* FRANCHET & SAVATIER, Enum. Pl. Jap. II, 273 (1876); NAKAI in Tokyo Bot. Mag. XXVI [60] (1912).

Corydalis bulbosa DC β . *lineariloba* (non MAXIMOWICZ) MAKINO in Tokyo Bot. Mag. VIII [227] (1894), pro parte; MATSUMURA, Ind. Pl. Jap. II pt. 2, 143 (1912), pro parte.

var. **angustifoliolata** NAKAI, nom. nov.

Varietas typica cum foliolis subulatis vel linearibus.

Nom. Jap. *Hosobano-Hime-Yama-Engosaku*.

Hab. in Hondo.

Prov. Sinano: in montibus (ITIRÔ SABA, typus in Herb. Drake del Castillo, Mus. Paris vel SAVATIER no. 3372).

Prov. Ugo: Takadera tractus Higasi Tagawa (TOSIHIIDE NAGASAWA, Aug. 27, 1895, Herb. Sci. Mus. Tokyo).

Prov. Ugo: Fuzikura urbis Akita (KAGETAKA WATANABE, Apr. 12, 1933 Herb. Sci. Mus. Tokyo).

Prov. Uzen: in oppido Ogunimoto (legitor?, Herb. Sci. Mus. Tokyo).

Prov. Iwasiro: Mureoka tractus Adati (legitor? Herb. Sci. Mus. Tokyo).

Prov. Hida: Sikama urbis Funatu (legitor? in Herb. Tokyo Univ.).

Corydalis orthoceras var. **latifoliolata** NAKAI, nom. nov.

Syn. *Corydalis capillaris* FRANCHET in Bull. Soc. Philom. Paris sér. 7, X, 101 (1886); LÉVEILLE in Bull. Acad. Geogr. Bot. X, 212 (1900); MATSUMURA, Ind. Pl. Jap. II pt. 2, 143 (1912); POELLNITZ in FEDDE, Repert. XLV, 99 (1938), **syn. nov.**

Foliola elliptica vel oblonga.

Nom. Jap. *Hirohano-Hime-Yama-Engosaku*.

Hab. in Hondo.

Prov. Mutu : Kominato (FAURIE no. 259, typus *C. capillaris* in Herb. Mus. Paris); Hirosaki (FAURIE no. 1291 in Herb. Mus. Paris).

Prov. Ugo : in monte Tegatayama (legitor ?, Apr. 25, 1931, Herb. Sci. Mus. Tokyo); in oppido Terauti (KAGETAKA WATANABE, Apr. 12, 1933, Herb. Sci. Mus. Tokyo).

Prov. Uzen : in oppido Ogunimoto (legitor ? Mai 20, 1908, Herb. Sci. Mus. Tokyo); in oppido Takadera (TOSIHIIDE NAGASAWA, Apr. 27, 1895, Herb. Sci. Mus. Tokyo).

Prov. Etigo : Nonaka circa urbem Tukawa tractus Higasikambara (TAKEO KONDÔ, Mai 1, 1931, in Herb. Tokyo Imp. Univ.); in oppido Hônai tractus Iwafune (MATUWAKA KISIDA, Mai 2, 1939, in Herb. Tokyo Imp. Univ.); in monte Hôzyôyama tractus Kariha (legitor ? Mai 5, 1874, Herb. Sci. Mus. Tokyo).

Prov. Hida : Sikama et Funatu tractus Funatu (legitor ? in Herb. Tokyo Imp. Univ.)

***Corydalis orthoceras* var. *fumariæfolia* NAKAI, var. nov.**

Folia eis *Fumariæ muralis* simulantia, cetera ut typica.

Nom. Sap. *Hime-Yama-Engosaku*.

Hab. in Hondo.

Prov. Musasi : in herbidis Ômiya tractus Titibu (T. NAKAI, Apr. 1937, typus in Herb. Univ. Imp. Tokyoensis).

Prov. Uzen : in oppido Takasaka (TOSIHIIDE NAGASAWA, Apr. 15, 1894, Herb. Sci. Mus. Tokyo).

解 説

112) だいせんきすみれトみやまきすみれトはおほばきすみれト同種異變種ニシテ來タガおほばきすみれハ丈モ2倍以上ニナルノガ普通デアリ葉ハ3-4倍モ大キクナル。又だいせんきすみれトみやまきすみれトはおほばきすみれヨリモ一根莖ノ先カラ數本宛簇生スルコトガ多ク又莖ニ赤味ヲ帶ビルコトモ多ク又莖レバ苦味ガアルカラ食用ニハナラヌガおほばきすみレノ方ハ苦味ガナイカラ野菜トシテ地方民ハ食用ニスル。其故似テ非ナル別種ト考ヘだいせんきすみレ

＝新＝ *Viola flaviflora* NAKAI ナル新學名ヲ與ヘル。又みやますみれハ極端形ニナルトだいせんきすみれ＝似テモ似ツカス程葉ガ尖ルケレドモ中間型モアルコト故だいせんきすみレノ變種トシテ *Viola flaviflora* var. *acuminata* トスル。だいせんきすみれハ陸中、羽後、羽前、越後、岩代、上野、駿河、越前、近江、美作、伯耆、備後、等デ發見サレテ居リ、みやまきすみれハ陸中、羽前、岩代、磐城、上野、信濃、越中、越前ナドデ採ラレタ。

113) 富山縣、新潟縣、青森縣等ノ海岸ノ砂丘ニイソすみれ *Viola Grayi* FRANCHET & SAVATIER ト云フすみレガアル。砂地ニ生エルカラ根莖ハ深イモノガアツテモ分岐セヌカラ砂地カラ引キ出スニハ骨ガ折レヌ。葉ハ厚ク表面ニハ稍、光澤ガアリ花ハ大キク花瓣ハ丸ク濃堇色デアツテ花型ハにほひたちつぽすみレニ似テ更ニ大キイ然シ香氣ハナイ。莖ト葉トニ毛ノナイノガイソすみレ *Viola Grayi* var. *glabra* BECKER デアツテ毛ノアルノガイソすみレ *Viola Grayi* var. *pubescens* NAKAI デアル、花ハ四月ニ開ク。

114) イソすみレヨリモ遅レテ開花スル似テ非ナルすみレガ新潟縣ノ砂丘ニアル。根莖ハ 20-40 cm ノ深サニアツテ其レカラ倒圓錐狀ニ地下莖ガ分岐シテ出デ爲メニ地上莖ハ約 1 米突四方モ擴ガル大キナ株ニナル。花ハイソすみレヨリモ美シク距ハ白イ。産地名ヲ採ツテ瀨波すみレ *Viola senamiensis* NAKAI ト命ズル。開花期ニハ砂丘一帯ヲ遠望スレバ紫色デアルトハ採集者岸田松若氏ノ談。

115) たちつぽすみレト同型デアリ又同型同色ノ花ヲ開キナガラ葉ハ厚ク表面ニハつばきノ葉程度ノ光澤ノアルすみレガ本州ト九州トノ海岸地方ニアル。之ニツヤすみレ *Viola lucida* NAKAI ノ名ヲ與ヘル。小石川植物園デハ約 10 年間栽培シ實生モ出來タガ葉ノ性質ハ固定シテ居テヨク遺傳シタ。

116) 越前、今立郡岡本村ニたちつぽすみレヲ丈夫ニシ葉ヲ厚クシ鋸齒ヲ大キクシ花ノ距ノ長イモノガアル。植物同好者ナル細井與左右衛門氏ノ發見シタモノデアルカラ氏ヲ紀念シテ細井すみレ *Viola Hosoi* NAKAI ト命名スル。

117) 草木研究會員外山三郎氏ガ肥前ノ多良岳^{タラダケ}デ發見シタすみレニ葉質ハしはいすみレデ葉ノ切込ミハきくばすみレノ様ナモノガアル。此ハなんざんすみレ *Viola charophylloides* BECKER 1902 年版 (異名 *Viola charophylloides* MAKINO 1905 年版) トしはいすみレ *Viola violacea* MAKINO トノ自然雜種デアル。ふぎれしはいすみレ *Viola taradakensis* NAKAI ト命ジテ置ク。なんざんすみレニ似タえいざんすみレ *Viola eizanensis* MAKINO トしはいすみレトノ間種ナルかつらぎすみレハ寧ロえいざんすみレニ近イ形ニナルガふぎれしはいす

みれノ方ハなんざんすみれヨリモしはいすみれニ近イ形ニナル。

すみれ、こすみれ、まるばすみれ、しはいすみれ、みやますみれ等多數ノ種ヲ包含スルすみれ屬ノすみれ節ノ節名ハ新版(1925年版)ノ Pflanzenfamilienニハ Sect. *Adnata* BECKER ナル新節名ヲ用キテアル。而シテ我邦ノすみれ、しろすみれ、あかねすみれ、こすみれ、みやますみれ、まるばすみれ、ひかげすみれ、ふぢすみれ、ひめきくばすみれ等モ其中ニ入レテアル。然シ 1867 年ニ BOISSIER 氏ガ其大著ナル近東植物誌中デみやますみれニ基イテ *Patellares* ナル亞節ヲ立テ、居ルカラ之ヲ節名ニ上セテ *Viola* sect. *Patellares* トスル方ガ正シイすみれ節ノ名ニナル。

119-120) あかねすみれノ學名ニ 通例用キラレテアル *Viola phalacrocarpa* MAXIMOWICZ ハ 1877 年ノ發表デアルガ *Viola Conilii* FRANCHET & SAVATIER ノ方ハ 1876 年ノ發表デアルカラ一年早イ。共ニ記相文ヲ伴フケレドモ前者ハをかすみれ(横濱産)ト烏蘇利産ノ *Viola Ishidoyana* NAKAI トヲ混ジテ居ル點カラモ *Viola Conilii* ノ方ガヨイ。

又ひかげすみれノ學名ハ *Viola yesoensis* MAXIMOWICZ ヨリモ *Viola pycnophylla* FRANCHET & SAVATIER ノ方ガ一年早イ。

121) こすみれハ外國デハ餘程間違ハレテ居リ MIQUEL 氏ハ *Viola Patrini* var. *Gmeliniana* ヲ用キタリ *Viola prionantha* BUNGE ヲ用キタリシタシ、FRANCHET 氏ハ *Viola prionantha* BUNGE ヤ *Viola Selkirkii* PURSH ヲ用キ MAXIMOWICZ 氏ハ *Viola japonica* LANGSDORF ヲ用キ BECKER 氏ハ *Viola japonica* LANGSDORF ヤ *Viola philippica* subsp. *malesica* BECKER ヲ用キタ。筆者ハ滯歐中佛蘭西巴里博物館、和蘭ライデン市國立腊葉館、瑞西ジュネヴ市立腊葉館中ノ DE CANDOLLE 氏三代ノ蒐集標本ト DELESSERT 氏ノ蒐集標本、埃士利(現今ノ獨逸領)維納國立博物館、獨逸柏林ダーレム植物館、瑞典ストックホルム市外國立博物館、英國倫敦市大英博物館、同キュー皇立植物園ノ腊葉館、同エデンバラ市ノ皇立植物園ノ腊葉館ニ所藏スル日本産ノすみれノ標本全部ヲ檢シテ歐洲ノ學者ガ日本ノすみれヲ如何様ニ見テ居ルカラ吟味シタガ其中デモこすみれハ最モ甚ダシク誤ラレテ居タカラ歐文欄ヲカリテ其標本ガドンナ名デ藏サレ又誰ガドンナ名ヲ用キタカラ發表シタノデアル。

122) 九州ニモ志摩まむしさう *Arisæma simense* NAKAI ガアル。前原勘次郎氏ガ市房山デ採集シテ送り越シタ。同時ニ送附シタモノニ葉片ノ全縁デアツテ佛焰苞ガ濃紫色ノモノガアル。之ニ市房まむしさう *Arisæma simense* f. *integrum* ト命名スル同様ノモノヲ外山三郎氏ハ肥前ノ多良岳デ採集シタ。又佛焰

苞ガ綠色デ先ハ殆ンド鞭狀ニ長ク尖ルモノヲ外山氏が多良岳デ採ツタ之ニハ葉片ニ鋸齒ガアルケレドモ志摩まむしさうヨリモ幅ガ狭イ。之ニ多良岳まむしさう *Arisema simense* var. *Toyamai* ノ名ヲ與ヘル。

123) 岸田松若氏が伊豆國伊東ノ一碧湖畔デ發見シタてんなんしやうハ餘程ノ變リ種デアル。氏ハ幾本モ之ヲ採ツタガ或1ヶ所ニ限ラレテ居ルカラ湖畔ノ何處デモアル譯デハナイ。取り盡サレテハ困ルカラ殊ニ其箇所ヲ記サヌ。丈ハ低ク葉型ハおほまむしぐさ狀デアリ花ハ蘆生てんなんしやうニ近イ。いづてんなんしやう *Arisema izuense* NAKAI ト命名スル。

124) 岸田松若氏が信州沓掛カラ持來シタ數本ノてんなんしやうハやまじのてんなんしやうニ似テハ居ルガ球根カラ多數ノ珠芽ヲ出スコトト葉ニ光澤ノアルコトトデ其トモ異ル。氏ハ沓掛ノ山ノ斜面ニハ此許リ一面ニアリ實ニ見事デアルカラ持來シタト語ツタ。新種故こもちてんなんしやう *Arisema proliferum* NAKAI ト命ズル。

125) 朝鮮デ始メテからふとひめしゃくなげ *Andromeda Polifolia* var. *minima* G. DON ガ見附カツタ。ひめしゃくなげ屬植物モ亦朝鮮デノ新發見デアル、之ハ木下廣野博士ガ昭和 11 年ニ赴戰高原ノ咸地院デ採ツタノデアリ生品ハ氏ガ小石川植物園ニ寄贈サレ今ハ同園ニ栽培サレテアル。

126) やまえんどさく *Corydalis lineariloba* SIEBOLD & ZUCCARINI (異名 *Corydalis remota* FISCHER ex MAXIMOWICZ) 系ノモノニ似テ一層纖弱デアリ又花ノ大サガ半分ニモ充タナイ一種ガアル、但シ花型モ花色モ異ナル。此モノモ亦やまえんどさく同様ニ小葉片ノ幅ノ狭イモノト廣イモノトガアル。狭イ方ガ *Corydalis orthoceras* SIEBOLD & ZUCCARINI 又ハ *Corydalis senanensis* FRANCHET & SAVATIER (1876 年版) デアツテ後者ハ佛人 DUPORT 氏ノ隨員デアツタ佐波一郎ガ始メテ信州ノ山デ採集シ SAVATIER 氏ガ 3372 ノ番號ヲツケテ巴里博物館ノ助手ヲシテ居タ FRANCHET 氏ニ送り FRANCHET 氏ガ *Corydalis senanensis* ノ名ヲツケタノデアル。小葉片ノ幅ノ廣イ方ハ宣教師故 FAURIE ガ青森縣小湊デ採ツテ 259 ノ番號ヲツケ又弘前デ採ツテ 129 ノ番號ヲツケテ之ヲ FRANCHET 氏ニ送り *Corydalis capillaris* FRANCHET (1886 年版) ト命名サレタノデアル。筆者ハ前者ニほそばひめえんどさくノ名ヲ與ヘルガ此モノハ陸奥、羽後、羽前、岩代、飛騨デ採集サレテ居ル。又後者ニハひろはのひめえんどさくノ名ヲ與ヘルガ此ハ陸奥、羽後、羽前、越後、飛騨デ採ラレテキル。筆者ハ管テ巴里博物館デ以上兩種ノ標本ヲスケッチシテ居ル時カラ *Corydalis capillaris* ハ *Corydalis senanensis* ノ變種デアルトノ意見ヲ持シテ居ル其故ひろは

ひめえんごさくノ方ニハ *Corydalis orthoceras* v. *latifoliolata* ト命ジテ *Cordalis capillaris* フ異名ニスル。又筆者ガ一昨年ノ春武蔵秩父町ノ郊外デ採ツタモノハ小葉片ガ羽狀又ハ複羽狀ニ缺刻スルモノデアリ當時カラひめえんごさくト呼ンデ居ル學名ヲ *Corydalis orthoceras* var. *fumariæfolia* ト定メル、其理由ハ葉型ガ歐洲ニ普通ニアル *Fumaria muralis* ノ葉ニ酷似スルカラデアル。

Gymnogrammeæ of Japan, Korea and Formosa

By M. TAGAWA

田川基二： 邦産ギムノグラシマ族ノ分類

According to the recent system of CHRISTENSEN *Gymnogrammeæ* comprise fourteen genera.¹⁾ Among these genera only four are found in our territory, they are *Coniogramme* FÉE, *Anogramma* LINK, *Gymnopteris* BERNH. and *Hemionitis* L. Two another genera of uncertain systematic position, *Monachosorum* KUHN and *Ptilopteris* HANCE, seem to fall under *Gymnogrammeæ*, but in the present paper I shall not touch upon them as they have been dealt with in my earlier paper.²⁾

The following is a practical key to the genera found in our territory:

Frond simple, dimorphic..... *Hemionitis* L.

Frond pinnate to compound, monomorphic.

Lower surface of pinna hidden in dense shaggy hairs.....

..... *Gymnopteris* BERNH.

Lower surface of pinna glabrous or nearly so.

Frond bipinnate or rarely pinnate, sori long, linear, with paraphysis, large species..... *Coniogramme* FÉE

Frond compound, sori short, oblong, without paraphysis, small species
..... *Anogramma* LINK

¹⁾ VERDOORN'S Handbook of Pteridology 537. 1938.

²⁾ Jap. Journ. Bot. 9: 107-120. 12 figs. 1937.